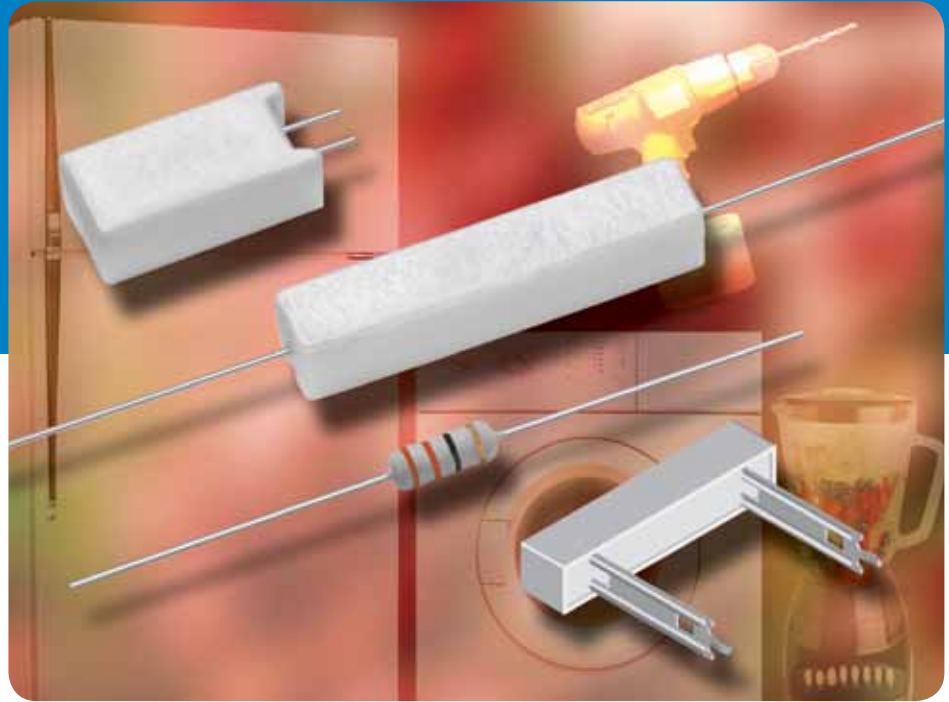




AXIAL LEADED WIREWOUND/METAL OXIDE RESISTORS

CA, CP, CPCC, CPCF, CPR High Volume



High-Volume, Low-Cost, Axial Leaded Wirewound/Metal Oxide Resistors

KEY BENEFITS.

- Low-cost wirewound/metal oxide resistors
- Fireproof construction required for UL-approved circuitry
- Wide range of wattage ratings (1 W to 20 W)
- Wide resistance value range (0.1 Ω to 50 k Ω)
- CPCC and CPCF models have vertical-mount construction for board space savings

APPLICATIONS

- Capacitance discharge
- Pulsing applications
- High power dissipation
- Voltage dividers
- DC/DC converters

Datasheet is available on our web site at www.vishay.com
 for CA High Volume - <http://www.vishay.com/doc?30114>
 for CP High Volume - <http://www.vishay.com/doc?30113>
 for CPCC/CPCF High Volume - <http://www.vishay.com/doc?30116>
 for CPR High Volume - <http://www.vishay.com/doc?30216>

Axial Lead (CP)



FEATURES

- High performance for low cost
- High power to size ratio
- Ceramic cases are available with circuit board standards (designated with a ...3 model ending)
- Special cement potting compound and ceramic case provide high thermal conductivity in a fireproof package
- Compliant to RoHS Directive 2002/95/EC



RoHS compliant
GREEN
RESON

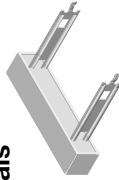
GLOBAL MODEL	POWER RATING P _{avg} W	RESISTANCE RANGE (Ω)		WEIGHT (typical) g
		WIREWOUND ± 5 % ± 10 %	METAL OXIDE ± 5 % ± 10 %	
CP0002	2	0.1 to 100	101 to 50K	2.0
CP0003	3	0.1 to 100	101 to 50K	3.4
CP0005	5	0.1 to 100	101 to 50K	3.6
CP0005...3	5	0.1 to 100	101 to 50K	4.8
CP0007	7	0.1 to 100	101 to 50K	5.0
CP0007...3	7	0.1 to 100	101 to 50K	6.8
CP0010	10	0.1 to 100	101 to 50K	9.5
CP0010...3	10	0.1 to 100	101 to 50K	9.9
CP0015	15	0.1 to 100	101 to 50K	16.8
CP0020	20	0.1 to 100	101 to 50K	22.8

GLOBAL PART NUMBER INFORMATION

Global Part Numbering Example: CP00051R00J0E63

C	P	0	0	5	1	5	R	0	0	J	E	6	3		
GLOBAL MODEL	VALUE	TOLERANCE	PACKAGING	SPECIAL											
(See Standard Electrical Specifications table for options)	R = Decimal K = Thousand 1K500 = 1500 Ω	J = ± 5.0 % K = ± 10.0 %	E66 = Lead (Pb)-free, bulk	(Dash Number) From 1 to 999 as applicable											

Radial Terminals (CPR)



FEATURES

- Direct mounting on printed circuit board
- Circuit board lock-in mounting tabs
- High performance for low cost
- Special inorganic potting compound and ceramic case provide high thermal conductivity in a fireproof package
- Compliant to RoHS directive 2002/95/EC



RoHS compliant
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RESON

GLOBAL MODEL (1)	POWER RATING P _{avg} W	RESISTANCE RANGE (Ω)		WEIGHT (typical) g
		WIREWOUND ± 5 % ± 10 %	METAL OXIDE ± 5 % ± 10 %	
CPR03...xx	3	0.1 to 100	101 to 50K	5.5
CPR05...xx	5	0.1 to 100	101 to 50K	6.5
CPR07...xx	7	0.5 to 100	101 to 50K	9.5
CPR10...xx	10	0.5 to 100	101 to 50K	10.0
CPR15...xx	15	1.0 to 100	101 to 50K	20.3
CPR20...xx	20	1.0 to 100	101 to 50K	25.5

Notes
(1) The xx is for the two digit "special" number as specified in Global Part Number Information section. Standard part number without the two digit "special" is 10.5 mm length (15 mm for CPR20), 1 pin terminals.

GLOBAL PART NUMBER INFORMATION

Global Part Numbering Example: CPR05100R0J0E630

C	P	R	0	5	1	0	0	R	0	J	E	6	3	0	
GLOBAL MODEL	VALUE	TOLERANCE	PACKAGING	SPECIAL											
CPR03 CPR05 CPR07 CPR10 CPR15 CPR20	R = Decimal K = Thousand 1K500 = 1500 Ω	J = ± 5.0 % K = ± 10.0 %	E66 = Lead (Pb)-free, bulk	(Dash Number) From 1 to 999 as applicable											

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For technical questions, contact ww2resistors@vishay.com

Axial Lead (CA)



FEATURES

- High performance for low cost
- Auto insertable
- High temperature coating for environmental protection
- Compliant to RoHS directive 2002/95/EC



RoHS compliant
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RESON

GLOBAL MODEL	POWER RATING P _{avg} W	RESISTANCE RANGE (Ω)		WEIGHT (typical) g
		WIREWOUND ± 5 % ± 10 %	METAL OXIDE ± 5 % ± 10 %	
CA0001	1.0	0.1 to 1K	0.1 to 1K	0.65
CA0002	2.0	0.1 to 1K	0.1 to 1K	0.80

GLOBAL PART NUMBER INFORMATION

Global Part Numbering Example: CA000150R0J0E66

C	A	0	0	1	5	0	R	0	0	J	E	6	6		
GLOBAL MODEL	VALUE	TOLERANCE	PACKAGING	SPECIAL											
(See Standard Electrical Specifications table for options)	R = Decimal K = Thousand 1K000 = 1000 Ω	J = ± 5.0 % K = ± 10.0 %	E66 = Lead (Pb)-free, tape/wrap	(Dash Number) From 1 to 999 as applicable											

Vertical Mount (CPCC/CPCCF)



FEATURES

- Space saving
- Direct mounting on printed circuit board
- High power to size ratio
- Special cement potting compound and ceramic case provide high thermal conductivity in a fireproof package
- Compliant to RoHS Directive 2002/95/EC



RoHS compliant
GREEN
RESON

GLOBAL MODEL	POWER RATING P _{avg} W	RESISTANCE RANGE (Ω)		TECHNOLOGY	WEIGHT (typical) g
		WIREWOUND ± 5 % ± 10 %	METAL OXIDE ± 5 % ± 10 %		
CPCC020	2	0.1 to 100	101 to 10K	Wirewound	4.7
CPCC030	3	0.1 to 100	101 to 10K	Metal oxide	4.7
CPCC030	3	0.1 to 100	101 to 10K	Wirewound	5.5
CPCC035	5	0.1 to 100	101 to 50K	Metal oxide	5.5
CPCC035	5	0.1 to 100	101 to 50K	Wirewound	6.9
CPCC037	7	0.1 to 100	101 to 50K	Metal oxide	9.2
CPCC037	7	0.1 to 100	101 to 50K	Wirewound	9.2
CPCC10	10	0.1 to 100	101 to 100	Wirewound	14.3

GLOBAL PART NUMBER INFORMATION

Global Part Numbering Example: CPCC035R0J0E66

C	P	C	0	3	5	0	R	0	0	J	E	6	6		
GLOBAL MODEL	VALUE	TOLERANCE	PACKAGING	SPECIAL											
(See Standard Electrical Specifications table for options)	R = Decimal K = Thousand 1K500 = 1500 Ω	J = ± 5.0 % K = ± 10.0 %	E66 = Lead (Pb)-free, bulk	(Dash Number) From 1 to 999 as applicable											

Build Vishay into your Design